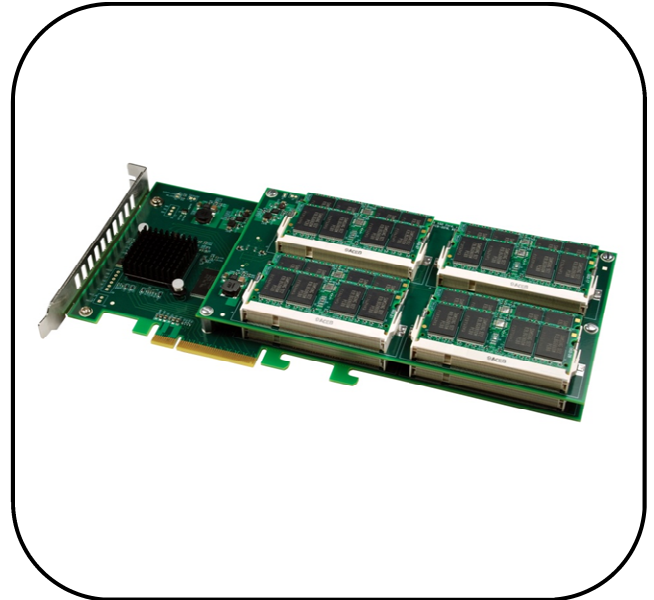


OCZ Z-Drive R2 e88 512GB PCI-Express x8 SSD

Design and Technology:

Z-Drive R2 e88 is designed to meet the demanding storage and computing applications of enterprise servers storage arrays, super computing and data warehousing. The Z-Drive delivers faster more reliable data transfer and reduced power consumption. Unlike other solutions, the Z-Drive provides a cost-effective formula of performance, reliability, and upkeep for enterprise customers and their applications which require the benefits of solid state drive technology.



Applications:

- Workstation PCs - Servers

Physical Specifications	
Capacity:	512 GB
NAND Flash Components:	Single-Level Cell (SLC) NAND Flash Memory
Interface:	PCI-Express Gen. 1
Form Factor:	PCI-Express x8 Full Height Slot
Physical Dimensions:	257.43 (L) x 21.59 (W) x 126.31mm(H)

Reliability Specifications	
Life Expectancy:	1.0 million hours Mean Time Before Failure (MTBF)
Reliability:	ECC is BCH with 8, 12 or 16 bits correctable, depending on NAND
Product Health Monitoring:	Self-Monitoring, Analysis and Reporting Technology

Environmental Specifications	
Operating Temperature:	0C ~ +70C
Storage Temperature:	-45C ~ +85C
Shock Resistance:	1500G
Certifications:	RoHS, CE, FCC

Performance Specifications	
Max Read:	up to 1400 MB/s
Max Write:	up to 1400 MB/s
Sustained Write:	up to 950 MB/s
Cache:	512 MB on board Cache
Max Random Write IOPS:	7,200 IOPS (4KB 32QD)
Max Random Read IOPS:	29,000 IOPS (4KB 32QD)
Power Consumption:	Active: 20 Watts
Performance Optimization:	Background Garbage Collection

Compatibility	
PCI Express:	Fully compliant with the PCIe Electromechanical Specification Rev. 1.1, and with the PCI Express Base Specification Rev. 1.1
OS Compatibility:	Windows XP 32 Bit; Windows XP 64 Bit; Windows Vista 32 Bit; Windows Vista 64 Bit; Windows 7 32 Bit; Windows 7 64 Bit; Apple OS X (Coming Soon)
Power Requirements:	Powered by the PCI-Express x8 Bus

Part Number	UPC
OCZSSDPX-ZD2E88512G	842024016939

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Mechanical Specifications

